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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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anslation internat	PATENT COOPER PC		ATY •	PCT/JP2003/01674
INTERNAT	IONAL PRELIMINA	RY EXAMIN	ATION REP	ORT
	(PCT Article 36	and Rule 70)		
Applicant's or agent's file reference NEC03P147	FOR FURTHER ACT			nsmittal of International port (Form PCT/IPEA/416)
International application No. PCT/JP2003/016748	International filing date (25 December 2003		- ·	day/month/year) ber 2002 (26.12.2002)
International Patent Classification (IPC) or G01N 33/68, 27/62	national classification and I	°C		
Applicant	NEC CORPO	RATION		
amended and are the basis: 70.16 and Section 607 of th These annexes consist of a 3. This report contains indications re I Basis of the report II Priority III Non-establishmen IV Lack of unity of in V Reasoned stateme citations and explications and explications. VI Certain document VII Certain defects in	according to Article 36. of 4 sheets, in anied by ANNEXES, i.e., she for this report and/or sheets the Administrative Instruction total of sheets are total of she	cluding this cover sets of the description taining rectifics sunder the PCT). ets. ovelty, inventive segard to novelty, increment	sheet. ion, claims and/o ations made befo	or drawings which have been ore this Authority (see Rule
Date of submission of the demand	I	ate of completion	of this report	
25 December 2003 (25	5.12.2003)	13 F	ebruary 2004	(13.02.2004)
Name and mailing address of the IPEA/JI	P	authorized officer		
Facsimile No.	7	elephone No.		



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/016748

I. Basis	of the re	port
1. With	regard to	the elements of the international application:*
	the inte	rnational application as originally filed
	the desc	cription:
	pages	, as originally filed
	pages	, filed with the demand
	pages	, filed with the letter of
	the clai	
	pages	as originally filed
	pages	, as amended (together with any statement under Article 19
	pages	, filed with the demand
	pages	, filed with the letter of
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	pages pages	
	pages	, filed with the demand
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	the seque	ence listing part of the description:
	pages	, as originally filed
	pages	, filed with the demand
1	pages	, filed with the letter of
the i	nternation	to the language, all the elements marked above were available or furnished to this Authority in the language in which nal application was filed, unless otherwise indicated under this item. ats were available or furnished to this Authority in the following language which is:
	the lan	guage of a translation furnished for the purposes of international search (under Rule 23.1(b)).
	the lan	guage of publication of the international application (under Rule 48.3(b)).
	the lan or 55.3	nguage of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/
3. Wit prel	h regard iminary e	to any nucleotide and/or amino acid sequence disclosed in the international application, the international examination was carried out on the basis of the sequence listing:
	contair	ned in the international application in written form.
	filed to	ogether with the international application in computer readable form.
	furnish	ned subsequently to this Authority in written form.
	furnish	ned subsequently to this Authority in computer readable form.
		tatement that the subsequently furnished written sequence listing does not go beyond the disclosure in the ational application as filed has been furnished.
		tatement that the information recorded in computer readable form is identical to the written sequence listing has jurnished.
4.	The ar	nendments have resulted in the cancellation of:
		the description, pages
	Ħ	the claims, Nos.
1		the drawings, sheets/fig
5.		sport has been established as if (some of) the amendments had not been made, since they have been considered to go it the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
in to and	his repor 70.17).	sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to the as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16)
Any	replacen	nent sheet containing such amendments must be referred to under item 1 and annexed to this report.



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/JP03/16748

tement			
Novelty (N)	Claims	1-17	YE
	Claims		NC NC
Inventive step (IS)	Claims	1-17	YE
	Claims		NO.
Industrial applicability (IA)	Claims	1-17	YE
	Claims		NC

2. Citations and explanations

Document 1: Seikagaku, Vol. 74, No. 8, page 739 (2002) Document 2: JP 6-102251 A (Hitachi Ltd.) April 15, 1994

Document 3: JP 2002-505740 A (Oxford Glyco Sciences (UK) Ltd.) February 19, 2002

Document 4: JP 2002-535659 A (The Procter and Gamble Co.) October 22, 2002 Document 5: JP 2002-168869 A (Sumitomo chemical Co., Ltd.) June 14, 2002

Claims 1-17

Document 1 describes a C-terminal sequence analysis method wherein a 10-200 pmol sample is dried in a test tube, a reaction is performed in the presence of acetic anhydride containing several percent of perfluoric acid at 30°C-60°C for 1-16 hours, and the resulting product is analyzed by MALDI-TOF-MS. Document 1 also describes treatment with trypsin and acylation as a pretreatment.

Documents 2-5 describe methods using mass spectrometry as a method for analyzing an amino acid sequence of a peptide.

However, none of the documents cited in the international search report discloses a method of analyzing an C-terminal amino acid sequence using the spectral analysis steps of (step 1)-(step 9) of the claims of this application.

INTERNATIONAL PR	INTERNATIONAL PRELICE ARY EXAMINATION REPORT			PCT/JP03/16748	
I. Certain documents cited					
Certain published documents (l	Rule 70.10)				
Application No. Patent No.	Publication da (day/month/ye		Priority date (valid) (day/month/yea	ate (valid claim) month/year) 25.03.2002	
WO 03/81255 A	02.10.200	24.03.2003	25.03.200		
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Non-written disclosures (Rule	70.9)				
Kind of non-written di		Pate of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosing (day/month/year)	ure	
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